

CLAIMS

1. Method for caching Internet information, comprising the steps of:

5 deriving information sent to an end user from an Internet content provider based upon an information request from said end user; and
 distributing said information to a set of geographically distributed cache servers.

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2. Method as claimed in claim 1, wherein said deriving step is performed in connection with a cache server serving said end user, said end user being located in a geographical region served by said a cache server.

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3. Method as claimed in claim 2, comprising storing said information in said a cache server.

20 4. Method as claimed in claim 3, comprising storing said information in said a cache server only if said content provider is located outside said region.

25 5. Method as claimed in claim 3, comprising storing said information in said a cache server only if said content provider is located inside said region.

6. Method as claimed in claim 2, comprising performing said distributing step only if said content provider is located outside said region.

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7. Method as claimed in claim 2, comprising performing said distributing step only if said content provider is located inside said region.

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8. Method as claimed in any one of the preceding claims, comprising distributing said information to said

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set of geographically distributed cache servers using multicast communication.

9. Method as claimed in claim 8, comprising distributing said information to said set of geographically distributed cache servers using a satellite link.

10. Method as claimed in any one of the preceding claims, comprising only distributing said information based upon the outcome of a rule determining, for each derived piece of information, whether or not it is to be distributed to said set of geographically distributed cache servers.

15 11. Method as claimed in any one of the preceding claims, wherein said set of geographically distributed cache servers serve different geographical regions.

12. Method as claimed in any one of the preceding 20 claims, wherein said set of geographically distributed cache servers are distributed within a linguistically or culturally defined area.

13. Method as claimed in claim 11, wherein said set 25 of geographically distributed cache servers are distributed within a linguistically or culturally defined area encompassing said regions.

14. Internet caching system, comprising:
30 a set of geographically distributed cache servers;
means for deriving Internet information derived in connection with the operation of one of said cache servers; and
means for distributing said derived information to
35 essentially all of said cache servers.

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15. Internet caching system as claimed in claim 14,
wherein said deriving means are arranged to derive said
information in connection with the sending of said
information from an Internet content provider to an end
5 user as a result of a specific information request by
said end user, said end user being located in a geogra-
phical region served by said one of said cache servers.

16. Internet caching system as claimed in claim 15,
10 wherein said one of said cache servers is arranged to
store said information.

17. Internet caching system as claimed in claim 16,
15 wherein said one of said cache servers is arranged to
store said information only if said content provider is
located outside said region.

18. Internet caching system as claimed in claim 16,
wherein said one of said cache servers is arranged to
20 store said information only if said content provider is
located inside said region.

19. Internet caching system as claimed in claim 15,
wherein said distributing means are arranged to distri-
25 bute said information to said set of cache servers only
if said content provider is located outside said region.

20. Internet caching system as claimed in claim 15,
wherein said distributing means are arranged to distri-
30 bute said information to said set of cache servers only
if said content provider is located inside said region.

21. Internet caching system as claimed in any one of
claims 14 to 20, wherein said distributing means are
35 arranged to distribute said information to said set of
cache servers using multicast communication.

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22. Internet caching system as claimed in claim 21, wherein said distributing means are arranged to distribute said information to said set cache servers via a satellite link.

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23. Internet caching system as claimed in any one of claims 14 to 22, comprising processing means for determining whether or not said derived information is to be distributed to said set of cache servers.

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24. Internet caching system as claimed in any one of claims 14 to 23, wherein said geographically distributed cache servers are arranged to serve different geographical regions.

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25. Internet caching system as claimed in any one of claims 14 to 24, wherein said geographically distributed cache servers are distributed within a linguistically or culturally defined geographical area.

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26. Internet caching system as claimed in claims 24 to 24, wherein said geographically distributed cache servers are distributed within a linguistically or culturally defined geographical area encompassing said regions.

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27. Internet cache server arranged in a geographical region to primarily serve users in that region, comprising:

30 means for deriving information sent by an Internet content provider to an end user located within said region as a result of an information request made by said end user; and

35 means for distributing said information to a set of geographically distributed cache servers, said servers preferably serving different geographical regions.

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28. Internet cache server as claimed in claim 27,
wherein said cache servers are distributed within a
linguistically or culturally defined geographical area.

5 29. Internet cache server as claimed in claim 27 or
28, comprising processing means for determining whether
or not a specific piece of derived information is to be
cached in said server.

10 30. Internet cache server as claimed in claim 27, 28
or 29, comprising processing means for determining
whether or not a specific piece of derived information is
to be distributed to said set of geographically distribu-
ted cache servers.

15 31. Internet cache server as claimed in claim 29 or
30, wherein decisions made by said processing means is
based upon whether or not said content provider is
located within said region.

20 32. Internet cache server as claimed in claim 29, 30
or 31, wherein said processing means is arranged to
instruct said server to not cache said information and
not distribute said information to said set of geographi-
25 cally distributed cache servers if said end user and said
Internet content provider are both located within the
same region as said server.

30 33. Internet cache server as claimed in claim 29, 30
or 31, wherein said processing means is arranged to
instruct said server to cache said information and to not
distribute said information to said set of geographically
distributed cache servers if said Internet content
provider is located within the same region as said
35 server.

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34. Internet cache server as claimed in claim 29, 30
or 31, wherein said processing means is arranged to
instruct said server to not cache said information but
instead only distribute said information to said set of
5 geographically distributed cache servers if said Internet
content provider is located within the same region as
said server.

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